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IN THE CLAIMS

Please amend the claims as shown below:

1. (Original) A stethoscope with acoustic-to-electrical transducer for detecting body sounds, the transducer comprising:
a diaphragm mounted in a housing such that the diaphragm can make contact with a body and vibrate in response to body sounds;
a diaphragm displacement-to-electrical conversion means to convert diaphragm displacement due to body sound vibrations to electrical signals; and

the transducer housing having one or more apertures or openings to provide a low-impedance acoustic path for ambient sound to enter the space within the housing including the space behind diaphragm.

2. (Original) The transducer according to Claim 1, wherein the apertures can be opened or closed by a user.

3. (Original) The transducer according to Claim 1, further comprising a moisture barrier with low acoustic impedance placed between the apertures and the internal housing cavity, such that a low impedance acoustic path for ambient sound to enter the housing cavity is maintained, while moisture and humidity are prevented from entering the cavity.

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

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11. (Canceled)
 12. (Canceled)
 13. (Canceled)
 14. (Canceled)
 15. (Canceled)
 16. (Canceled)
 17. (Canceled)

END OF CLAIMS

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